

<b>SUBMISSION UNDER MPEP 609 D</b>  Page 1 of 3	Application Number	N/A
	Filing Date	7 January 2002
	First Named Inventor	DARROW
	Group Art Unit	1652
	Examiner Name	MOORE, W.
	Attorney Docket Number	ORT-1566

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### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Name of Patentee or Applicant of Cited Document	U.S. Patent Document		Pages, Columns, Lines, where relevant passages or relevant figures appear
			Number	Kind Code <sup>2</sup> (if known)	
WWM		Forster et al.	5,200,340	424/9464	
WWM		Van Eekelen et al.	5,217,878	435/69.1	
WWM		Gerlitz et al.	5,270,178	435/69.1	
WWM		Samal et al.	5,278,062	435/223	
WWM		Berg et al.	5,326,700	435/240.2	
WWM		Lavallie, Edward R.	5,665,566	435/69.3	
WWM		Bott et al.	5,763,257	435/221	
WWM		Egelrud et al.	5,834,290	435/226	
WWM		Burgess et al.	6,165,771	435/226	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Name of Patentee or Applicant of Cited Document	Foreign Patent Document			Pages, Columns, Lines, where relevant passages or relevant figures appear	T <sup>6</sup>
			Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup>		
WWM		BOEHRINGER MANNHEIM GMBH		WO 97/47737			
WWM		AMRAD OPERATIONS PTY. LTD.		WO 98/36054			
WWM		GENETECH, INC.		WO 99/14328			
WWM		GENETECH, INC.		WO 99/35170			
WWM		INCYTE PHARMACEUTICALS, INC.		WO 99/57144			
WWM		SMITHKLINE BEECHAM PLC.		EP 890646			

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITOL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
WWM		Altschul et al., "Basic Local Alignment", (1990), <i>J. Mol. Biol.</i> , 251: 405-410	
WWM		Chen et al., "Expression and Activity-Dependent Changes of a Novel Limbic-Serine Protease Gene in the Hippocampus", <i>J. Neurosci.</i> (1995) 15:5088-5097.	
WWM		Davie et al., "The Coagulation Cascade: Initiation, Maintenance, and Regulation", <i>Biochem.</i> (1991) 30: 10363-10370.	
WWM		Davies et al., "Serine Proteases in Rodent Hippocampus", <i>J. Biol. Chem.</i> (1998) 273(36):23004-23011.	
WWM		Hansson et al., "Cloning, Expression, and Characterization of Stratum Corneum Chymotryptic Enzyme: A Skin-Specific Human Serine Proteinase", <i>J. Biol. Chem.</i> (1994) 269, 19420-6.	

Examiner Signature	W. Moore at Moore	Date Considered	July 2003
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WWM		R. Huber and W. Bode, "Structural Basis of the Activation and Action of Trypsin", <i>Acc. Chem. Res.</i> (1978) 11:114-122.	
WWM		Inoue et al., "Cloning and Tissue Distribution of a Novel Serine Protease ESP-1 from Human Eosinophils", <i>Biochem. Biophys. Res. Comm.</i> (1998) 252:307-312.	
WWM		Ishii et al., "Kinetics of Thrombin Receptor Cleavage on Intact Cells: Relation to Signaling", <i>J. Biol. Chem.</i> (1993) 268:9780-9786.	
WWM		Kossiakoff et al., "Structure of Bovine Trypsinogen at 1.9 ang. Resolution", <i>Biochem</i> (1977) 16:654-664.	
WWM		S. Kühn and P. F. Zipfel, "The Baculovirus Expression Vector pBSV-8His Directs Secretion of Histidine-Tagged Proteins", <i>Gene</i> (1995) 12:225-229.	
WWM		J. Kyte and R. F. Doolittle, "A Simple Method for Displaying the Hydrophobic Character of a Protein", <i>J. Mol. Biol.</i> (1982) 157:105-132.	
WWM		Leytus et al., "A Novel Trypsin-Like Serine Protease (Hepsin) with a Putative Transmembrane Domain Expressed by Human Liver and Hepatoma Cells", <i>Biochem.</i> (1988) 27:1067-1074.	
WWM		Little et al., "Zyme: A Novel and Potentially Amyloidogenic Enzyme cDNA Isolated from Alzheimer's Disease Brain", <i>J. Biol. Chem.</i> (1997) 272:25135-25142.	
WWM		B. Martoglio and B. Dobberstein, "Signal Sequences: More Than Just Greasy Peptides", <i>Trends Cell Biol.</i> (1998) 8:410-415.	
WWM		Matthews et al., "Three-Dimensional Structure of Tosyl-Alpha-Chymotrypsin", <i>Nature (London)</i> (1967) 214:652-656.	
WWM		Nelson et al., "Molecular Cloning and Characterization of Prostase: An Androgen-Regulated Serine Protease with Prostate-Restricted Expression", <i>P. N. A. S. U. S. A.</i> (1999) 96:3114-3119.	
WWM		W. R. Pearson and D. J. Lipman, "Improved Tools for Biological Sequence Comparison", <i>P. N. A. S. U. S. A.</i> (1988) 85:2444-2448.	
WWM		Pham et al., "Production of Fully Active Recombinant Murine Granzymes B in Yeast", <i>J. Biol. Chem. Vol.</i> (January 16, 1998) 273(3):1629-1698.	
WWM		D. Proud and A. P. Kaplan, "Kinin Formation: Mechanisms and Role in Inflammatory Disorders", <i>Annu. Rev. Immunol.</i> (1988) 6:49-83.	
WWM		N. D. Rawlings and A. J. Barrett, "Families of Serine Peptidases", <i>Methods Enzymol.</i> (1994) 244:19-61.	
WWM		K. B. M. Reid and R. R. Porter, "The Proteolytic Activation Systems of Complement", <i>Ann. Rev. Biochem.</i> (1981) 50: 433-464.	
WWM		Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , 2 <sup>nd</sup> Edition (Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1989).	

Examiner Signature	<i>William W. Moore</i>	Date Considered	<i>1 July 2003</i>
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WWM		Stroud et al., "Structure Of Bovine Trypsin. Electron Density Maps of the Inhibited Enzyme at 5 .ang. and 2.7 .ang. Resolution", <i>J. Mol. Biol.</i> (1974) 83:185-208.	
WWM		K. Tachias and E. I Madison, "Converting Tissue-Type Plasminogen Activator into a Zymogen", <i>J. Biol. Chem.</i> (1996) 271:28749-28752.	
WWM		Takayama et al., "Characterization of the Precursor of Prostate-Specific Antigen Activation by Trypsin and by Human Glandular Kallikrein", <i>J. Biol. Chem.</i> (1997) 272:21582-21588.	
WWM		Wang et al., "Production of Active Recombinant Human Chymase from a Construct Containing the Enterokinase Cleavage Site of Trypsinogen in Place of the Native Propeptide Sequence", <i>Biol. Chem. Hoppe-Seyler</i> (1995) 376:681-684.	
WWM		Yamashiro et al., "Molecular Cloning of a Novel Trypsin-Like Serine Protease (Neurosin) Preferentially Expressed in Brain", <i>Biochim. Biophys. Acta</i> (1997) 1350:11-14.	
WWM		Yoshida et al., "Sequence Analysis and Expression of Human Neuropsin cDNA and Gene", <i>Gene</i> (1998) 213:9-16.	
WWM		Yoshida et al., "cDNA Cloning and Expression of a Novel Serine Protease, TLSP1", <i>Biochim. Biophys. Acta</i> (1998) 1399:225-228.	
WWM		Yu et al., "Prostasin is a Novel Human Serine Proteinase from Seminal Fluid: Purification, Tissue Distribution, and Localization in Prostate Gland", <i>J. Biol. Chem.</i> (1994) 269:18843-18848.	

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